

ABSTRACT

A finite state model-based testing system has a user interface to enable a user to enter state information and transition information about a software application to be tested. The user interface further enables a user to initiate a model generation engine to generate a model of the software application from the state information and transition information. A graph traversal menu enables a user to select a graph traversal program to generate a test sequence of inputs for the software application from the model, and a test execution menu enables a user to select a test driver program to read the test sequence of inputs for the software application, and execute the test sequence of inputs on the software application.